# TECHNOMETRICS

## INDEX TO CONTENTS, Volume 9, 1967

ANDERSON, R. L. AND P. P. CRUMP, Comparisons of Designs and Estimation Procedures for Estimating Parameters in a Two-Stage Nested Process ..... 499
ANDERSON, R. L. AND KEITH KUSSMAUL, Estimation of Variance Components in Two-Stage Nested Designs with Composite Samples ..... 373
ANTLE, CHARLES E. AND LEE J. BAIN, Estimation of Parameters in the Weibull Distribution ..... 621
AVRAHAMI, RAM, Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 492
BAIN, LEE J. AND CHARLES E. ANTLE, Estimation of Parameters in the Weibull Distribution ..... 621
BARTON, D. E., Comparison of Sample Sizes in Inverse Binomial Sampling (Query) ..... 337
BECHHOFER, ROBERT E., A Two-Stage Subsampling Procedure for Ranking Means of Finite Populations with an Application to Bulk Sampling Problems ..... 355
BHATT, N. M. AND A. G. PHATAK, Estimation of Fraction Defective in Curtailed Sampling Plans by Attributes ..... 219
BLUMENTHAL, S., Proportional Sampling in Life Length Studies ..... 205
BOWMAN, K. O. AND L. R. SHENTON, Remarks on Large Sample Estimators for Some Discrete Distributions ..... 587
BOX, G. E. P. AND WILLIAM J. HILL, Discrimination Among Mechanistic Models ..... 57
BURR, IRVING W., A Useful Approximation to the Normal Distribution Function, with Application to Simulation (Note) ..... 647
CACOULLOS, T. AND H. DECICCO, On the Distribution of the Bivariate Range (Note) ..... 476
CHERNOFF, H., Degrees of Freedom for Chi-Square (Query) ..... 489
CLATWORTHY, WILLARD H., Some New Families of Partially Balanced Designs of the Latin Square Type and Related Designs ..... 229
CLUTTON-BROCK, M., Likelihood Distributions for Estimating Functions when Both Variables are Subject to Error ..... 261
COHEN A. C., JR., Estimation in Mixtures of Two Normal Distributions ... 15
COX, D. R. AND AGNES HERZBERG, Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 170
COX, D. R. AND ELIZABETH LAUH, A Note on the Graphical Analysis of Multidimensional Contingency Tables (Note) ..... 481
CRUMP, P. P. AND R. L. ANDERSON, Comparisons of Designs and Estimation Procedures for Estimating Parameters in a Two-Stage Nested Process ..... 499
DALENIUS, TORE AND S. P. GHOSH, Some Theory of Sampling When the Stratification is Subject to Error ..... 1

DANIEL, CUTHBERT, Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 171
DECICCO, H. AND T. CACOULLOS, On the Distribution of the Bivariate Range (Note) ..... 476
DIAMOND, W. J., Three Dimensional Models of Extreme Vertices Designs for Four Component Mixtures (Note) ..... 472
DRAPER, NORMAN R. AND WILLARD E. LAWRENCE, Sequential Designs for Spherical Weight Functions ..... 517
DUBEY, SATYA D., On Some Permissible Estimators of the Location Parameter of the Weibull and Certain Other Distributions ..... 293
DUBEY, SATYA D., Some Percentile Estimators for Weibull Parameters ... 119
EISENSTAT, STAN, FRED C. LEONE, AND TOKE JAYACHANDRAN, A Study of Robust Estimators (Note) ..... 652
EVANS, DAVID H., An Application of Numerical Integration Techniques to Statistical Tolerancing ..... 441
FINNEY, D. J., Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 172
GHOSH, S. P. AND TORE DALENIUS, Some Theory of Sampling When the Stratification is Subject to Error ..... 1
GLASSER, GERALD J., The Age Replacement Problem ..... 83
GNANADESIKAN, R., R. S. PINKHAM, AND LAURA P. HUGHES, Maximum Likelihood Estimation of the Parameters of the Beta Distribution from Smallest Order Statistics ..... 607
GRAY, H. L. AND TRUMAN LEWIS, Confidence Interval for the Availability Ratio (Note) ..... 465
GUPTA, SHANTI S., A. S. QUREISHI, AND B. K. SHAH, Best Linear Unbiased Estimators of the Parameters of the Logistic Distribution Using Order Statistics ..... 43
GUTTMAN, IRWIN AND GEORGE C. TIAO, Analysis of Outliers with Adjusted Residuals ..... 541
HALD, ANDERS, The Determination of Single Sampling Attribute Plans with Given Producer's and Consumer's Risk ..... 401
HARTER, H. LEON, Maximum-Likelihood Estimation of the Parameters of a Four-Parameter Generalized Gamma Population from Complete and Censored Samples (Note) ..... 159
HARTER, H. LEON AND ALBERT H. MOORE, A Note on Estimation from a Type I Extreme-Value Distribution (Note) ..... 325
HERZBERG, AGNES AND D. R. COX, Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 170
HILL, WILLIAM J. AND G. E. P. BOX, Discrimination Among Mechanistic Models ..... 57
HINICH, MELVIN, Estimation of Spectra After Hard Clipping of Gaussian Processes ..... 391
HOCKING, R. R. AND R. N. LESLIE, Selection of the Best Subset in Regression Analysis ..... 531
HOLLA, M. S., Reliability Estimation of the Truncated Exponential Model (Note) ..... 332
HUGHES, LAURA P., R. GNANADESIKAN, AND R. S. PINKHAM, Maximum

Likelihood Estimation of the Parameters of the Beta Distribution from Smallest Order Statistics ..... 607
JACKSON, J. E. AND W. H. LAWTON, Residual Analysis (Query) ..... 339
JACKSON, J. T. ROSS, AND PETER MARK PRUZAN, A Dynamic Programming Application in Production Line Inspection ..... 73
JAECH, J. L., Interference in the Manufacture of Nuclepore Filters (Note) ..... 319
JAYACHANDRAN, TOKE, FRED C. LEONE, AND STANLEY EISENSTAT, A Study of Robust Estimators (Note) ..... 652
JOHNSON, ARTHUR F., Analysis of a Factorial Experiment: Partially Confounded $2^3$ (Query) ..... 490
KEMP, KENNETH W., An Example of Errors Incurred by Erroneously Assuming Normality for Cusum Schemes (Note) ..... 457
KERRIDGE, DAVID, Errors of Prediction in Multiple Regression (Note) ... 309
KNOTT, MARTIN, Sampling Mixtures of Particles ..... 365
KOCH, GARY G., A General Approach to the Estimation of Variance Components ..... 93
KOCH, GARY G., A Procedure to Estimate the Population Mean in Random Effects Models ..... 577
KRAMER, KENNETH H., Use of Mean Deviation in the Analysis of Interlaboratory Tests (Note) ..... 149
KRISHNAIAH, PARUCHURI R. AND M. H. RIZVI, A Note on Moments of Gamma Order Statistics (Note) ..... 315
KRUTCHKOFF, RICHARD G., Classical and Inverse Regression Methods of Calibration ..... 425
KUSSMAUL, KEITH AND R. L. ANDERSON, Estimation of Variance Components in Two-Stage Nested Designs with Composite Samples ..... 373
LAUH, ELIZABETH AND D. R. COX, A Note on the Graphical Analysis of Multidimensional Contingency Tables (Note) ..... 481
LAWRENCE, WILLARD E. AND NORMAN R. DRAPER, Sequential Designs for Spherical Weight Functions ..... 517
LAWTON, W. H. AND J. E. JACKSON, Residual Analysis (Query) ..... 339
LEONE, FRED C., TOKE JAYACHANDRAN, AND STANLEY EISENSTAT, A Study of Robust Estimators (Note) ..... 652
LESLIE, R. N. AND R. R. HOCKING, Selection of the Best Subset in Regression Analysis ..... 531
LEWIS, TRUMAN AND H. L. GRAY, Confidence Interval for the Availability Ratio (Note) ..... 465
MANN, NANCY R., Tables for Obtaining the Best Linear Invariant Estimates of Parameters of the Weibull Distribution ..... 629
MARGOLIN, BARRY H., Systematic Methods for Analyzing $2^n3^m$ Factorial Experiments with Applications ..... 245
MIELKE, PAUL W., JR., Note on Some Squared Rank Tests with Existing Ties (Note) ..... 312
MOHAN, RAMESH, Diamond-Pin Location ..... 131
MOORE, ALBERT H. AND H. LEON HARTER, A Note on Estimation from a Type I Extreme-Value Distribution (Note) ..... 325
NADLER, JACK, Bivariate Samples with Missing Values (Query) ..... 679

ODEH, ROBERT E., The Distribution of the Maximum Sum of Ranks.... 271
OWEN, D. B., Variables Sampling Plans Based on the Normal Distribution..... 417
PHATAK, A. G. AND N. M. BHATT, Estimation of Fraction Defective in Curtailed Sampling Plans by Attributes..... 219
PINKHAM, R. S., R. GNANADESIKAN, AND LAURA P. HUGHES, Maximum Likelihood Estimation of the Parameters of the Beta Distribution from Smallest Order Statistics..... 607
PRAIRIE, R. R., Probit Analysis as a Technique for Estimating the Reliability of a Simple System..... 197
PRUZAN, PETER MARK AND J. T. ROSS JACKSON, A Dynamic Programming Application in Production Line Inspection..... 73
QUREISHI, A. S., SHANTI S. GUPTA, AND B. K. SHAH, Best Linear Unbiased Estimators of the Parameters of the Logistic Distribution Using Order Statistics..... 43
RECHTSCHAFFNER, R. L., Saturated Fractions of $2^n$ and $3^n$ Factorial Designs..... 569
RICHTER, DONALD, ETHEL TOBACH, MARK SMITH, AND GEORGE ROSE, A Table for Rank Sum Multiple Paired Comparisons..... 561
RIZVI, M. H. AND PARUCHURI R. KRISHNAIAH, A Note on Moments of Gamma Order Statistics (Note)..... 315
ROSE, GEORGE, ETHEL TOBACH, MARK SMITH, AND DONALD RICHTER, A Table for Rank Sum Multiple Paired Comparisons..... 561
SALEH, A. K. MD. EHSANES, Determination of the Exact Optimum Order Statistics for Estimating the Parameters of the Exponential Distribution in Censored Samples..... 279
SHAH, B. K., SHANTI S. GUPTA, AND A. S., QUREISHI, Best Linear Unbiased Estimators of the Parameters of the Logistic Distribution Using Order Statistics..... 43
SHENTON, L. R. AND K. O. BOWMAN, Remarks on Large Sample Estimators for Some Discrete Distributions..... 587
SHORACK, ROGER A., On the Power of Precedence Life Tests (Note)..... 154
SHORACK, ROGER A., Tables of the Distribution of the Mann-Whitney-Wilcoxon U-Statistic Under Lehmann Alternatives (Note)..... 666
SMITH, MARK, ETHEL TOBACH, GEORGE ROSE, AND DONALD RICHTER, A Table for Rank Sum Multiple Paired Comparisons..... 561
TALLIS, G. M., Approximate Maximum Likelihood Estimates from Grouped Data..... 599
TAYLOR, HOWARD, Statistical Control of a Gaussian Process..... 29
TIAO, GEORGE C. AND IRWIN GUTTMAN, Analysis of Outliers with Adjusted Residuals..... 541
TOBACH, ETHEL, MARK SMITH, GEORGE ROSE, AND DONALD RICHTER, A Table for Rank Sum Multiple Paired Comparisons..... 561
WIGGINS, ALVIN D., A Minimum Cost Model of Spare Parts Inventory Control (Note)..... 661